

ABSTRACT

The invention provides a battery, which can improve a capacity and cycle characteristics. The battery comprises an electrode winding body, wherein a cathode and an anode are layered and wound with a separator in between inside a battery can. An electrolytic solution is impregnated in the separator. The electrolytic solution contains propylene carbonate, ethylene carbonate, a low viscosity solvent such as dimethyl carbonate, diethyl carbonate, and ethyl methyl carbonate, a carbonic acid ester of an unsaturated compound such as vinylethylene carbonate and vinylene carbonate, and a lithium salt. A content of the propylene carbonate is from 5 wt% to 20 wt%, and a content of the carbonic acid ester is from 0.3 wt% to 3 wt%.